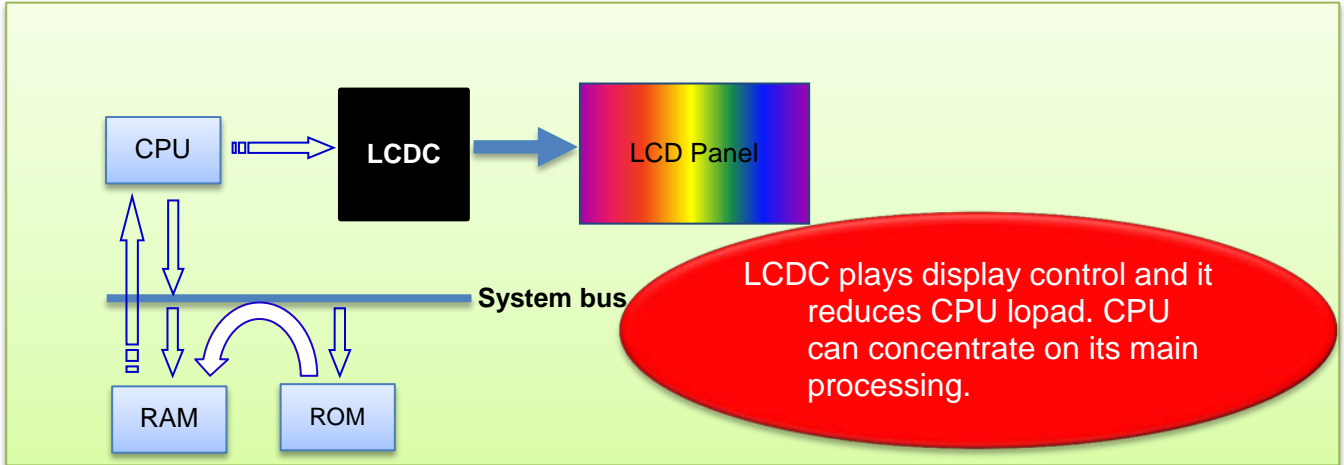


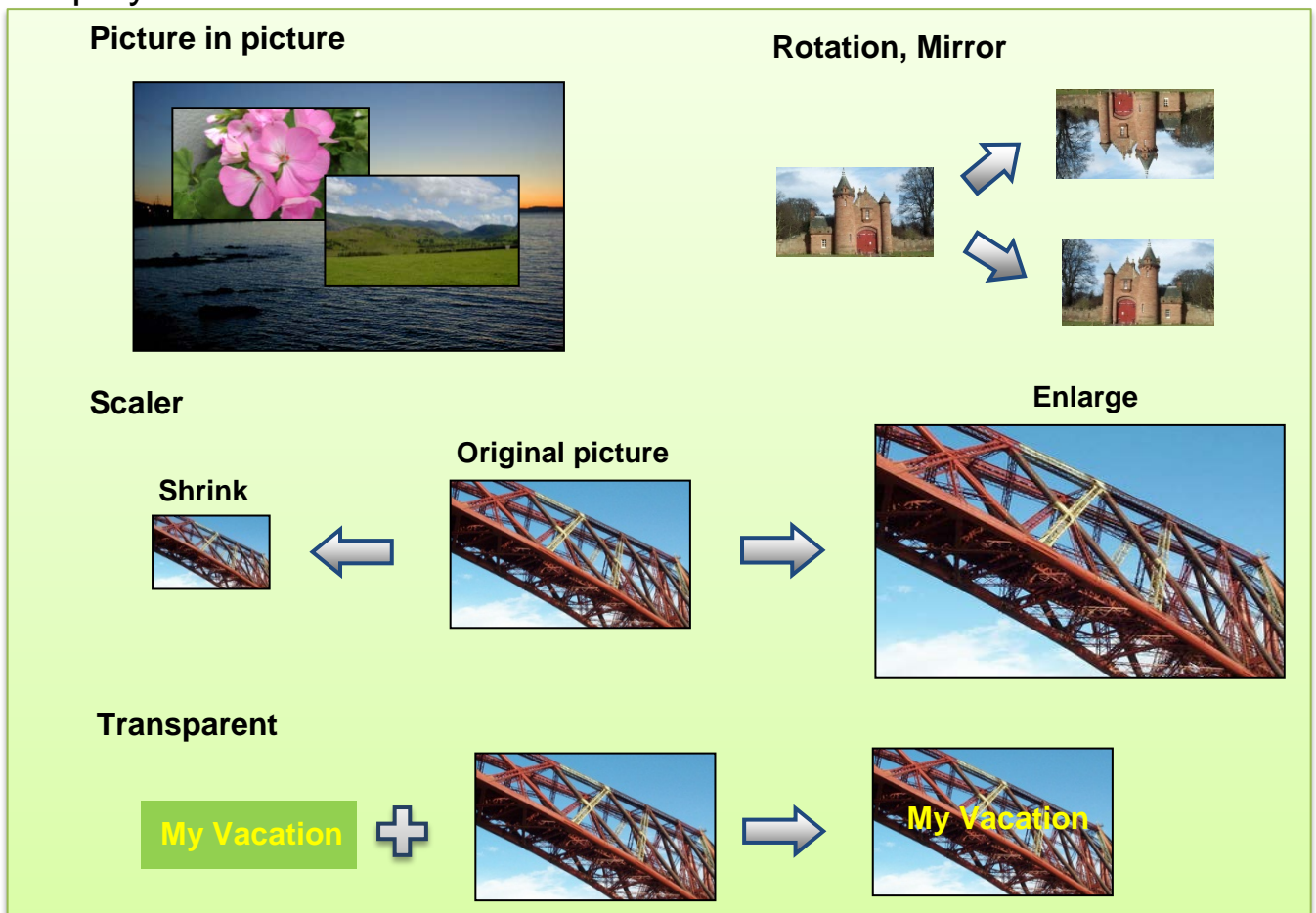
EPSON's LCD Controller: LCDC is "Simple & Helpful"

- LCDC decreases customer's required development resource
- LCDC upgrades customer's product without changing CPU
- LCDC is flexibly applicable up to XGA resolution panel

What is LCDC?



Display feature of LCDC



EPSON LCDC Line-up

| Model | Panel Type | Resolution | Color | Features |
|------------|-----------------|-------------|---------------------------------------|--|
| [S1D13513] | TFT, MSTN, CSTN | XGA | 16M colors | Sprite, BitBLT, Alpha blending, Picture in Picture |
| [S1D13U11] | TFT | SVGA | 16M colors | USB-HS interface, 3 windows display |
| [S1D13517] | TFT | SVGA | 16M colors | 3 windows display |
| [S1D13742] | TFT | WVGA | 64k colors | Double buffer, Rotation, Gamma-LUT |
| [S1D13748] | TFT | WVGA | 64k colors | 3 windows display, Alpha blending, Scaler |
| [S1D13781] | TFT, MSTN, CSTN | WQVGA, VGA | 16M colors (WQVGA), 256 colors (VGA) | Alpha Blending, Picture in Picture |
| [S1D13L04] | TFT | XGA | 256k colors | Simple LCDC for XGA panel |
| [S1D13L03] | TFT | WVGA | 64k colors | Simple LCDC for WVGA panel |
| [S1D13L02] | TFT | VGA | 64k colors | Simple LCDC for VGA panel |
| [S1D13L01] | TFT | WQVGA, WVGA | 16M colors (WQVGA), 256 colors (WVGA) | Simple LCDC for WQVGA panel |
| [S1D13709] | TFT, MSTN | QVGA | 16 gray scale, 16 colors | CG ROM embedded, applicable up to WVGA by scaling function (TFT) |

Legend: Ext. SDRAM LCDC (Blue), Embd. SRAM LCDC (Green)

■ Detailed product information

Detailed information for LCDC such as document, evaluation board and sample software are available on following web site. vdc.epson.com/global.epson.com/products_and_drivers/semicon/products/display_controllers/

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